

WHAT IS CLAIMED IS:

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1. A server processing card, comprising:
a printed circuit board;
a central processing unit coupled with the printed
circuit board;
memory integrated circuits coupled with the printed
circuit board;
network interface integrated circuitry coupled with
the printed circuit board; and
10 a master control module coupled with the central
processing unit, the master control module being operable
to monitor a master signal input in order to detect the
presence of a master control signal being communicated to
the server processing card; and
15 wherein the master control module remains idle if
the master control signal is not detected.
2. The server processing card of Claim 1, wherein
the master control module becomes active if the master
20 control signal is detected.
3. The server processing card of Claim 2, wherein
the active master control module performs hardware master
responsibilities with regard to a plurality of computing
25 devices coupled with the server processing card within a
server chassis.

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4. The server processing card of Claim 3, wherein
the active master control module monitors health
information regarding hardware components coupled with
the server processing card within the server chassis, the
5 hardware components including the plurality of computing
devices.

5. The server processing card of Claim 4, wherein
the health information regarding the hardware components
10 is selected from the group consisting of operating
temperature, operating voltages, operating fan speed, and
operating disk drive health and configuration.

6. The server processing card of Claim 3, wherein
15 the active master control module monitors configuration
information regarding hardware components coupled with
the server processing card, the hardware components
including the plurality of computing devices.

20 7. The server processing card of Claim 6, wherein
the configuration information is selected from the group
consisting of size of a disk drive, speed of a processor,
unique identification numbers associated with the
hardware components, memory capacity of memory integrated
25 circuits and operating capacity of power supplies.

8. The server processing card of Claim 3, wherein
the active master control module monitors information
regarding hardware components coupled with the server
30 chassis, the information being selected from the group
consisting of health information and configuration
information.

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9. The server processing card of Claim 8, wherein
the hardware components are selected from the group
consisting of power supplies, disk drives, memory
5 integrated circuits, and cooling fans.

10. The server processing card of Claim 3, wherein
the active master control module includes the ability to
reboot at least one of the computing devices.

11. The server processing card of Claim 3, wherein
the active master control module includes the ability to
cause at least one of the computing devices to boot up
from an operating system resident upon a remote component
15 of a local area network.

12. The server processing card of Claim 3, wherein
the network interface integrated circuitry is coupled
with a local area network, and the active master control
20 module is configured to report health and configuration
data regarding at least one of the computing devices to a
remote component of the local area network.

13. The server processing card of Claim 2, further
25 comprising a communication coupling configured to receive
a control bus and wherein the active master control
module is operable to control hardware components coupled
with the server processing card within a server chassis
using the control bus.

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14. A server chassis, comprising:

a plurality of server processing cards each having a respective master control module;

5 a midplane forming a communication coupling for communication among the plurality of server processing cards; and

wherein at least one of the plurality of server processing cards performs hardware master

10 responsibilities with regard to at least a subset of the server processing cards.

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15. A method for monitoring a plurality of server processing cards of a server chassis, comprising:

selecting at least one hardware master from among a plurality of server processing cards,

5 transmitting a hardware master control signal to the hardware master;

activating a master control module coupled with the hardware master; and

10 monitoring operating information regarding at least a subset of the plurality of server processing cards, from the hardware master.

15. The method of Claim 15, wherein the information is selected from the group consisting of health information and configuration information regarding the operation of the subset of the plurality of server processing cards.

20. The method of Claim 15, further comprising at least partially controlling the operation of the subset of the plurality of server processing cards, from the hardware master.

25. The method of Claim 15, further comprising transmitting, from the hardware master, a command to at least one of the subset of the plurality of server processing cards, the command being operable to cause the at least one of the subset to reboot.

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19. The method of Claim 15, further comprising
transmitting, from the hardware master, a command to at
least one of the subset of the plurality of server
processing cards, the command being operable to cause the
5 at least one of the subset to reboot from an operating
system resident upon a remote module of a local area
network coupled with the plurality of server processing
cards.

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20. A computer readable medium encoded with logic operable to:

select at least one hardware master from among a plurality of server processing cards coupled with a 5 server chassis;

transmit a hardware master control signal to the hardware master;

activate a master control module coupled with the hardware master; and

10 monitor operating information regarding at least a subset of the plurality of server processing cards, from the hardware master.

21. The computer readable medium of Claim 20, 15 wherein the logic is further operable to at least partially control the operation of the subset of the plurality of server processing cards, from the hardware master.

20 22. The computer readable medium of Claim 20, wherein the logic is further operable to transmit, from the hardware master, a command to at least one of the subset of the plurality of server processing cards, the command being operable to cause the at least one of the 25 subset to reboot.

23. The computer readable medium of Claim 20, 30 wherein the logic is further operable to transmit, from the hardware master, a command to at least one of the subset of the plurality of server processing cards, the command being operable to cause the at least one of the subset to reboot from an operating system resident upon a

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remote module of a local area network coupled with the plurality of server processing cards.

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24. A system, comprising:

means for selecting at least one hardware master from among a plurality of server processing cards coupled with a server chassis;

5 means for transmitting a hardware master control signal to the hardware master;

means for activating a master control module coupled with the hardware master; and

10 means for monitoring operating information regarding at least a subset of the plurality of server processing cards, from the hardware master.

25. The system of Claim 24, further comprising means for at least partially monitoring the operation of 15 the subset of the plurality of server processing cards, from the hardware master.

26. The method of Claim 24, further comprising means for transmitting, from the hardware master, a 20 command to at least one of the subset of the plurality of server processing cards, the command being operable to cause the at least one of the subset to reboot.

27. The system of Claim 24, further comprising 25 means for transmitting, from the hardware master, a command to at least one of the subset of the plurality of server processing cards, the command being operable to cause the at least one of the subset to reboot from an operating system resident upon a remote module of a local 30 area network coupled with the plurality of server processing cards.